
Model L1-HA-xx

L1 LumaMax™ LED Flashlight

Operator's Manual



**One-Watt Digitally Controlled LED
Flashlight with Dual Output Beam**

Revision B 8-1-2005



L1 LumaMax LED

Introduction

The L1 LumaMax™ is fitted with a one-watt LED (Light Emitting Diode) powered by a single 3-volt battery. The LumaMax features digital current regulation circuitry and a digitally controlled two-stage switching mechanism. The current regulation circuitry matches the LED's current requirements to the batteries' output to achieve a more consistent (flatter) level of light output for the useable life of the batteries. The two-stage switch gives the user a choice of either a low-output beam or a high-output beam from a single switch. The LumaMax is available in four LED colors: White (WH), Blue (BL), Green (GN), and Red (RD).

Light Activation

Depressing the pushbutton switch halfway activates the low-output beam. Depress pushbutton completely to activate high-output beam. The light will stay on as long as the pushbutton is depressed. For constant-on activation, rotate tailcap clockwise until LED activates and continue rotating to activate high-output beam.

Note: If light fails to function, the tailcap may be in the lock-out position. Rotate the tailcap clockwise until the light can be momentarily activated.

This unit has  approval

Operation

Lock-out Tailcap (U.S. Patent Number 6,222,138)

The lock-out position is suggested to avoid accidental light activation during storage or transport. From the momentary-on position, rotate the tailcap approximately one and one half turns counter-clockwise to lock the light in the OFF position.

Battery Replacement

Unscrew the tailcap and insert new battery with positive end towards LED assembly. Replace tailcap and rotate clockwise to the momentary-on position. Depress tailcap pushbutton switch to test.

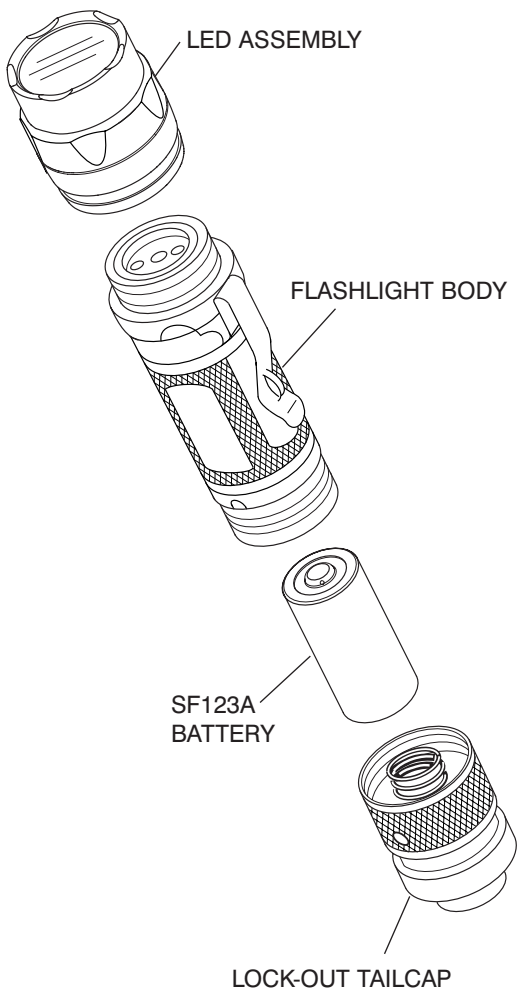
WARNING: Lithium batteries can explode or cause burns if disassembled, shorted, recharged or exposed to fire or high temperatures. Do not expose contents to water, mix with used or other battery types, or put in backwards.

Maintenance

Twice yearly (or more frequently depending on usage) clean and lubricate threads with clean cloth and apply thin coat of silicon-based lubrication to rubber O-rings. **Note:** DO NOT use petroleum-based lubrication on SureFire O-rings. After prolonged exposure to moisture, the bezel, lamp, and batteries should be removed, inspected, and dried if necessary. **Note:** After removal and reinstallation, the bezel, must be tightened firmly or the light will not activate.

Caution

Make sure the Lamp is off before storage to prevent damage caused from overheating the Lamp or nearby objects.



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Output & Runtime

Accurately specifying light output (lumens) and runtime is more complicated for LED flashlights than for tungsten lamp flashlights due to slight variation in LEDs and LED output characteristics.

L1 light output if continuously run:

High Output: Maximum 15 lumens for 1.5 hours, then 1 hour of gradually diminishing light, then 2+ hours of minimal light.

Low Output: Maximum .65 lumens for 25 hours, then 200 hours of gradually diminishing light.



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Warranty Claims

For repair or replacement contact Customer Service at **800-828-8809** (toll free) or **714-545-9444** and obtain a Return Merchandise Authorization number (RMA#). Then package the unit carefully and return (no COD's please) to:

SureFire
Repairs Department, RA#____
17680 Newhope Street, Suite B
Fountain Valley, CA 92708-6122

SureFire will pay any reasonable shipping costs to return the unit to you.

Warranty

SureFire® warrants its products to be free from defects in materials and workmanship. SureFire will repair or replace, at its option without charge, any product or part which is found to be defective under normal use and service. Such repair or replacement shall be the purchaser's sole and exclusive remedy under this warranty. This warranty does not include normal maintenance and services and does not apply to any products or parts that have been subjected to modification, misuse, negligence, accident, improper maintenance or repair by anyone other than SureFire.

Warranty Limitation

There is no other express warranty. SureFire® hereby disclaims any and all implied warranties, including but not limited to fitness for a particular purpose. SureFire shall not be liable for incidental, consequential, or special damages arising out of, or in connection with, product use or performance.

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